PRICE, FIFT LCULATIONS,

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ALMAN at 6 h. 26 m. P. M., fu-
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the greatest eclipse
e, and at that point

FOR THE YEAR OF OUR L 25
..... 7
.....6 577

1864 .....21st March
.....21st June
.....23d September
.....21st December

BEING BISSEXTILE OR LEAP Y ..... Thursday May 5
THE FOURTH OF THE WAR FOR ..... Sunday ..... May 15
..... May 23
AND (UNTIL THE FOURTH OF JULY,) ..... May 26
..... May 27
EIGHTY-EIGHTH OF THE INDEPENDENC THE
UNITED STATES.

CALCULATED FOR THE LATITUDE AND MERIDIAN OF
AUGUSTA, GA.
Lat. 33deg. 30m. N.: Long. 81 deg. 58m. W.
AND WILL SERVE FOR ALL ADJACENT STATES.
By T. P. Ashmore, of Americus Ga

Published for the Trade by
F. H. SINGER,.....AUGUSTA, GA.

THOS. RICHARDS & SON,
Booksellers & Stationers,
AUGUSTA, GA.,

MY OF MAN'S BODY,

ed to be governed by the

CONSTELLATIONS,

DING TO ANCIENT ASTROLOGY.

The Head and Face, ♈ ARIES.

♋ NECK.

♎ BREAST.

♏ BOWELS.

♑ SECRETS.

♓ KNEES.

The Feet, ♓ PISCES.

TO KNOW WHERE THE SIGN IS.—First find the day of the month, and against it you have the sign or place of the moon, then finding the sign here, it shows the part of the body it is supposed to govern. The idea that the moon's place or the signs have any effect on the human body ought not to be believed.

Names and Characters of the Signs of the Zodiac.

♈ Aries, the Ram. ♉ Taurus, the Bull. ♊ Gemini, the Twins
♋ Cancer, the Crab. ♌ Leo, the Lion. ♍ Virgo, the Virgin
♎ Libra, the Balance. ♏ Scorpio, the Scorpion.
♐ Sagittarius, the Archer. ♑ Capricornus, the Goat.
♒ Aquarius, the Waterman. ♓ Pisces, the Fishes.

Explanation of Characters.

Planets.—☉ Sun. ♄ Saturn. ♂ Mars. ☽ Moon. ♃ Jupiter.
♀ Venus. ⊕ Earth. ☿ Mercury. ♅ Herschel.

🌑 New Moon. ☽ First Qr. ○ Full Moon. ☾ Last Qr.

☊ Dragon's Head—Ascending Node. ☌ Conjunction,
☋ Dragon's Tail—Descending Node. ☍ Opposition.

Apogee.—At the greatest distance from the Earth.
Perigee.—At the least distance, or nearest the Earth.

ECLIPSES FOR THE YEAR 1864.

During the year 1864 there will be but two Eclipses, both of the sun.

"The moon doth her course so wisely steer,
That she runs in sunshine all this year."

The first Eclipse will be of the sun on the 5th of May, at 6 h. 26 m. P. M., invisible at Columbus, and vicinity. This Eclipse will be visible in all parts of North America west of the meridian of Houston, Texas.

The Eclipse will commence at Houston, Texas, at about sunset. It will be annual and central in some places and total in others.

The second Eclipse will be that of the sun on the 30th October, at 9 h. 38 m. A. M., invisible at Columbus. It will be visible in Texas, and the greatest eclipse visible in that State will be at the mouth of the Rio Grande, and at that point amount to 1¾ digits only.

CHRONOLOGICAL CYCLES.

Dominical Letter	C & B	Solar Cycle	25
Epact (Moon's age) Jan. 1	22	Roman Indiction	7
Golden Number	3	Julian Period	6 577

CARDINAL POINTS.

Vernal Equinox, (spring begins)	21st March
Summer Solstice, (summer begins)	21st June
Autumnal Equinox, (autumn begins)	23d September
Winter Solstice, (winter begins)	21st December

FIXED AND MOVABLE FESTIVALS.

Epiphany	Jan. 6	Ascension Day, Holy Thursday	May 5
Septuagesima Sunday	Jan. 24	Pentecost, Whit-Sunday	May 15
Quinquagesima Sunday	Feb 7	Trinity Sunday	May 23
Ash Wednesday	Feb. 10	Corpus Christi	May 26
St. Patrick	March 17	1st Sunday in Advent	Nov. 27
Palm Sunday	March 20	St Nicholas	Dec. 6
Good Friday	March 25	Christmas	Dec. 24
Easter Sunday	March 27	St. John, Baptist	June 26
Low Sunday	April 39	St. John Evangelist	Dec. 27
Rogation Sunday	May 19		

ASPECTS OF THE PLANETS,

Mercury will be visible in the eastern sky on the morning of February 27th about one hour before sunrise, and again in the western sky, August 17, about one hour after sunset.

Venus will be morning star till July 18th, then evening star for the remainder of the year.

Mars will pass through opposition with the sun, Nov. 24th. He will then be nearly as bright as Venus, and can be easily distinguished by his red color.

Jupiter will be in opposition with the sun May 13th.

Saturn will be in opposition with the sun April 4th.

EMBER DAYS.

February 24th, 26th, 27th; May 11th, 13th, 14th; September 21st, 23d, 24th December 14th, 16th and 17th.

THE WEATHER.

It is but just to state to the public that they know as much about the weather for the coming year as we do. No Mathematician or Astronomer, however able in his profession, can possibly "cipher out" the weather. When such predictions are seen in Almanacs, they should be regarded as mere guess work, entitled to no confidence, and as likely to fail as to be true; yet, as the people seem determined to have the weather laid down, we have done our best, but you must not blame us if it does not come exactly to the day.

COMETS.

Table of the most remarkable Cometary Bodies seen since the Christian Era:

Comet of	Lengths of Tails in deg.	and miles	years	Size of the following Comets
B. C.,	371	144,000,000		
" A. D.	1456	70,000,000		Diam. in Miles.
" " "	1618	65,000,000	1772	330 Miles
" " "	1680	123,000,000	1805	364 "
" " "	1689	100,000,000	1799	4629 "
" " "	1744	25,000,000	1807	6050 "
" " "	1769	43,000,000	1811	4230 "
" " "	1811	182,000,000	1858	5000 probably
" " "	1843	180,000,000		

TABLE OF SOME OF THE PRINCIPAL BODIES IN THE SOLAR SYSTEM.

NAMES.	Mean Diameter.	Mean Distance from the Sun.	Revolution ar'd the Sun.	Revolution on Axis.	Velocity per m. in orbit.	Size—the Earth being 1.	Density—Earth b'ng 1	Light, Earth b'ng 1
	Miles.	Miles.	yrs. days	d. h. M.	Miles.			Infinite.
The Sun..	883,245	.....	.....	25 9 59	.....	1,412,921,101	0.252	
Mercury..	3,224	36,516,800	 88	1 0 5	1,927	0,065	1.120	6.650
Venus....	7,687	68,787,000	 224	.. 23 21	1,388	0,900	0.923	1.912
The Earth	7,912	95,103,000	1	.. 23 56	1,153	1,000	1.000	1.000
The Moon	2,180	95,103,000	1 ...	27 7 43	38	0,020	0.615	1.000
Mars	4,189	144,908,000	1 321	1 0 37	921	0,125	0.948	0.431
Jupiter....	89,173	494,797,000	11 315	.. 9 56	495	1,456,000	0.238	0.037
Saturn....	79,042	907,105,000	29 167	.. 10 29	343	771,000	0.133	0.010
Uranus...	35,113	1,824,190,000	84 6	1 13 33	259	89,000	0.242	0.000
Neptune..	41,840	2,854,000,000	164 239	.. .. ..	208	143,000	0.140	0.000

NOTE.—There are more than fifty small Planets or Asteroids, between the orbits of Mars and Jupiter.

EQUINOXES AND SOLSTICES.

Vernal Equinox,..... .....(Spring begins) .....March 21st.
Summer Solstice,.....(Summer begins).....June 21st.
Autumnal Equinox,..... ..(Autumn begins)..... Sept. 23d.
Winter Solstice.....(Winter begins).....Dec. 21st.

ANSWERS TO THE PROBLEMS FOR 1863.

Problem 1st, 26-65 feet. Prob. 2d, 99.66 feet. Prob. 3d, 2.767. Prob. 4th, 700 lbs.* Prob. 5th, 3-640 cubic inches. Prob. 6th, 9 ft Prob. 7th, 18ft. Prob. 8th, 23.6 ft Prob. 9th, 256 feet. Prob. 10th, 12.649 ft. Prob. 11th, 176 ft. Prob. 12th, 49 ft Prob. 13th, 5.5 seconds. Prob. 14th, 113 ft. Prob. 15th, 3750 lbs. Prob. 16th 5.324 ft. Prob. 17th, 1656.35 miles. Prob, 18th, 4 ft.

* Problem 4th was a misprint. It should have been printed thus: 26. 65.

MATHEMATICAL ACKNOWLEDGMENTS FOR 1863.

The problems for 1863, have been ably managed by the following named Mathematicians, whose solutions are here indicated:

Mr. J. E. Cartlidge, Newton, Miss.—Problems, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18.

Mr. Samuel F. Saunders, Scarborough, Ga.—Problems, 1, 2 nearly, 3, 4. 5, 6, 7, 8, 9, 10, 11, 12, 13. 15, 16, 17, 18.

Mr. B. F. Sitton, Gainesville, Ga.—Problems, 1, 2 nearly, 3, 4, 5, 6, 7, 8, 9, 10. 11, 12, 13, 15, 16, 17, 18.

Mr. George Manzy, Confederate Army, Richmond, Va.—Problems 1, 2, 3. 4, 5 nearly, 6, 7, 8, 9. 10, 11, 12, 13, 15, 16, 17, 18.

Mr. Wm. C. Shields, Missionary Station, Ga.,—Problems, 2 nearly, 3, 7, 8, 11, 12, 13, 15, 17, 18,

Mr. E. M. Sweet, Dawson, Ga.—Problems, 3, 5, 6, 7, 8, 9, 10, 11, 12. 13, 15, 17 18, 16.

Mr. Abram Evans, Confederate Army, Goldsboro', N. C.—Problems, 3, 6. 7, 10, 11, 12, 13, 15 nearly, 16, 17, 18.

Mr. John R. Cain, Americus, Ga.—Problems. 3, 5, 8. 11, 12, 13, 15, 16, 17, 18.

Several other persons have solved a few of the problems, but not enough to entitle their solutions to acknowledgment.

PROBLEMS FOR 1864.

The nine following Problems have been proposed by Mr. Samuel F. Saunders, Scarborough, Ga:

Prob. 1.—What is the length of a straight line that divides a circle 69 rods in diameter, into two parts, whose areas are as 2 to 7?

Prob. 2.—Given the chord 40 and the arc 60, to find the versed sine.

Prob. 3.—In a square garden there is a spring, from which to three corners, there are 3, 9 and 7 rods; how far is it from the other corner?

Prob. 4.—From a spring in a square field to the corners, are 26, 23, 27 and 13 rods, what is the area?

Prob. 5.—If the diameter of the directing circle be 90, and the generating circle 10, what is the area of each epicycloid?

Prob. 6.—If a circle 4 feet in diameter, roll around another circle of the same diameter; what will be the area and curve generated by a point in the circumference?

Prob. 7.—The two lines that bisect the acute angles of a right-angled triangle, are A and B; what are the lengths of the sides of the triangle?

Prob. 8.—In a right-angled triangle there are given the side of the inscribed square=a, and the radius of the inscribed circle=b, to find the sides.

Prob. 9.—The diameter of a conical tree is 4 feet, its height is 99 feet; if a squirrel run spirally 45 times around it in going up, how far will it travel?

The four following Problems have been proposed by Mr. J. E. Cartlidge, Newton, Miss.

Prob. 10.—What is the difference between the major and minor proportional differences of 5 and 6, and the difference of their numerical value?

Prob. 11.—What is the difference between the area of a circle whose radius is 50 yards, and its greatest inscribed square?

Prob. 12.—I have an orchard of but 9 trees, which are set in 9 rows, with 3 in each row. Send in a diagram representing the orchard.

Prob. 13.—A, B, and C, purchase a grindstone 30 inches in diameter; A paid $2; B $3, and C $4, according to agreement. A grinds off his share first, then B, and C, last, how many inches in diameter must A and B each grind off, to leave C his proportional share, making no allowance for the eye of the stone?

The following Problem has been proposed by Mr. W. C. Shields, Missionary Station, Ga.

Prob. 14.—In a circle containing just 500 acres, three other equal circles are inscribed as large as they possibly can be, touching, but not cutting each other; what is the area of each small circle, and what distance apart are their centres, and what distance is between each of their centers, and the center of the large circle, and how much land is left in the large circle, not included in the three small ones?

I propose the following Problems:

Prob. 15.—If the sun's true Longitude be L., and the Obliquity of the Ecliptic be E, what will be his Right Ascension and Declination?

Prob. 16.—When the sun's true Longitude is 60 deg. what is the Equation of Time?

Prob. 17.—What is the difference between the sine of an arc of 1 sec. and the tangent of the same arc of 1 sec, radius being 1?

Prob. 18.—At what hour and minute will the sun rise on the 21st of June, in Lat. 60 degrees North?

Prob. 19.—When the moon's Lon. is twenty degrees, and her Lat. 3 degrees N. what is her right Ascension and Declination?

Prob. 20.—If the eccentricity of a Planet's orbit be 0.25654; what is the greatest equation of its center, and what is the Equation when the mean Anomaly equals 20 degrees?

Prob. 21.—If the periodical time of a Primary Planet be P, and the periodical time of its Satellite be p, and if the distance of the Planet from the sun be D, and the distance of the Satellite from the Planet be d; what will be the mass of the Primary Planet, the sun's mass being 1?

Prob. 22.—When the distance of a Comet moving in a parabolic orbit, is the same from the sun as that of the Earth; with what velocity will the Comet move, the velocity of the Earth being 68,000 miles per hour.

NOTE.—Any person solving ten of the above problems, and sending to me at Americus, Ga., by the 15th of May next, the correct answers to the same, shall have the same acknowledged in the Almanac for 1865. A few nice original Problems are desired for 1865. They must be of the higher order, and solvable only by the higher branches of Analysis. They must be thoroughly solved and explained, in order to meet with attention.

T. P. ASHMORE.

GOVERNMENT OF THE CONFEDERATE STATES.

EXECUTIVE CABINET.—Jefferson Davis, of Miss., President; Alexander H. Stephens, of Ga., Vice-President; J. P. Benjamin, of La., Secretary of State; C. G. Memminger, of S. C., Sec. Treasury; Jas. A. Seddon, of Va., Sec. War; R. S Mallory, Sec. Navy; John H. Reagan, Postmaster-General; A. T. Watts, Attorney General.

DATES OF SECESSION Of Southern States from the Union.		Representation in Congress.	Electoral Votes,	Population 1861.
South Carolina,	December 20th, 1860.	16	18	715,371
Mississippi,	January 9, 1861.	7	9	791,395
Florida,	January 10, 1861.	9	4	140,425
Alabama,	January 11, 1861.	9	11	964,296
Georgia,	January 19, 1861,	10	12	1,057,327
Louisiana,	January 25, 1861.	6	8	706,433
Texas,	February 1, 1861.	6	8	601,039
Virginia,	April 17, 1861.	16	18	1,596,088
Tennessee,	May 6, 1861.	11	13	1,109,847
Arkansas,	May 6, 1861.	4	6	435,427
North Carolina,	May 20, 1861.	10	12	992,667
Missouri,	October 28, 1861.	11	13	1,178,317
Kentucky,	November 19, 1861.	11	13	1,155,713

GOVERNMENT OF GEORGIA.

Capitol—MILLEDGEVILLE.

Area—58,000 Square Miles; - - - Total Population—1,082,797; Slaves—467,461.

EXECUTIVE AND CABINET.—Joseph E. Brown, Governor; H. H. Waters and J. L. Campbell, Secretaries Ex. Depar't; N. C. Barnett, Sec. State; Peterson Thweatt, Comp. Gen'l; John Jones, Treasurer: H. C. Wayne; Adj't and Insp'r Gen'l.

GOVERNMENT OF ALABAMA,

Capitol—MONTGOMERY.

Area—50,722 Square Miles; - - Total Population—935,917; Slaves—435,473.

Thos. H Watts, Governor; P. H. Britton, Secretary of State; W. J. Green, Comptroller; D. B. Graham, Treasurer.

GOVERNMENT OF MISSISSIPPI,

Capitol—JACKSON.

Area—47,156 Square Miles; - - Total Population—887,158; Slaves—479,677.

Chas. Clarke, Governor; Charles A Brougher, Secretary of State; A. J. Gillespie, Auditor of Public Accounts, M. D. Haynes, State Treasurer; T. J. Wharton, Attorney General.

GOVERNMENT OF SOUTH CAROLINA.

Capitol—COLUMBIA.

Area— ——— Square Miles; Total Population, 703,812; Slaves, 402,541.

M. L. Bonham, Governor.

MOON'S PH.	D.	H.	M.
Last Quarter,	1	9	47 eve.
New Moon,	9	2	3 mo.
First Quarter,	15	11	4 eve.
Full Moon,	23	4	13 eve.
Last Quarter,	31	1	30 eve.

Sun slow.

EQUATION OF TIME. M. S.	D.
1 37	1
5 28	5
7 12	9
8 47	13
10 13	17
11 28	21
12 31	25
13 20	29

D. of M	D. of W	MISCELLANY.	Sun rises H. M.	Sun sets H. M.	MOON'S PLACE.	Moon ri&sts H. M.
1	Frid	New Year's Day. *Cold*	7 4	4 56	♑	Morn.
2	Satur	Sun in Perigee ☾ ☌ ♄ *and*	7 3	4 57		0 5
3	*S*	1st Sun. after Christm s *windy*	7 3	4 57	♏	1 18
4	Mon	♃ rises 4h 4m	7 3	4 57		2 40
5	Tues	Moon ☌ ♃ & ☿ rises 6h30m mo	7 2	4 58	♐	4 0
6	Wed	Epiphany *Cloudy and*	7 2	4 59		5 14
7	Thur	Moon lowest	7 2	4 58	♑	6 7
8	Frid	Battle of New Orleans, 1815	7 1	4 59		6 45
9	Satur	Keep out of debt this year	7 1	4 59		sets
10	*S*	1st Sund. after Epiph. *rainy*	7 0	5 0	♒	6 40
11	Mon	Moon in Perigee *weather.*	7 0	5 0	♒	7 52
12	Tues	☿ rises 3h 59m	6 59	5 1	♓	9 0
13	Wed	Patronise home folks.	6 59	5 1		10 12
14	Thur	Aldebaran sou 8h 52m *Fair*	6 58	5 2		11 20
15	Frid	The world is full of fools *and*	6 58	5 2	♈	morn
16	Satur	Battle Ironton, 1862 *frosty*	6 57	5 3		0 30
17	*S*	2d Sund. after Epiph. *morns*	6 57	5 3	♉	1 31
18	Mon	Ex-president Tyler died, 1862	6 56	5 4		2 25
19	Tues	Bat. Mill Springs '62 *Windy*	6 55	5 5		3 15
20	Wed	Sun enters ♒ *and*	6 55	5 5	♊	4 5
21	Thur	Capella sou 9h 3m *unpleasant*	6 54	5 6		4 50
22	Frid	Moon highest *Cloudy*	6 54	5 6	♋	5 41
23	Satur	Get out of debt and keep out	6 53	5 7		rises
24	*S*	Sept'ma Sund. Moon in Apogee	6 52	5 8	♌	6 10
25	Mon	Conv'n St. Paul. ☿ ☌ ☉ Infer.	6 51	5 9		7 15
26	Tues	Sirius sou 10h 16m *and cold*	6 51	5 9	♍	8 20
27	Wed	Short settlements] *and perhaps*	6 50	5 10		9 18
28	Thur	make long friends *snow*	6 49	5 11	♎	10 12
29	Frid	Moon ☌ ♄ *or sleet*	6 48	5 12		11 2
30	Satur	As you valu happiness keep	6 48	5 12	♏	11 58
31	*S*	Sexagesima Sund [out of debt	6 47	5 13		Morn

MOON'S PHASES.

	D.	H.	M	
New Moon	7	0	43	eve.
First Quarter	14	1	4	eve.
Full Moon	22	11	22	mo.

Sun slow

EQUATION OF TIME.

M.	S.	D.
13	49	1
14	15	5
14	29	9
14	29	13
14	18	17
13	56	21
13	23	25
12	41	29

D. of M	D. of W	MISCELLANY.	Sun rises H. M.	Sun sets H. M.	MOON'S PLACE.	Moon ri&sts H. M.
1	Mon.	Keep out debt this year *Cold*	6 46	5 14	♑	0 44
2	Tue.	Purification B.V.M. Moon ☌ ♃	6 45	5 15		1 47
3	Wed.	Fort Henry attac'd, '62. *with*	6 44	5 16		2 51
4	Thu.	Moon lowest. *High winds.*	6 44	5 16	♒	3 52
5	Fri.	Moon ☌ ♀ *Fair and*	6 43	5 17		4 48
6	Satu.	Do good when you can *frosty.*	6 42	5 18	♓	5 38
7	*S.*	Quinquagesima Sun. ☾ in per.	6 41	5 19		sets.
8	Mon.	Roanoke Isl'd taken, '62 *N.E.*	6 40	5 20		6 42
9	Tue.	Federals at Florence '62 *winds*	6 39	5 21	♈	7 45
10	Wed.	Ash Wednesday. *with dark,*	6 38	5 22		8 50
11	Thu.	Earn your dinner before you	6 37	5 23	♉	9 58
12	Fri.	eat it. *flying clouds.*	6 36	5 24		11 0
13	Sat.	Battle Fort Donelson, 1862.	6 36	5 24		11 55
14	*S.*	1st Sun. in Lent, St. Valentine	6 35	5 25	♉	morn.
15	Mon.	Sirius sou. 8h 42m. *Cloudy*	6 34	5 26		0 31
16	Tue.	Fort Donelson sur. 1862 *and*	6 33	5 27	♊	1 15
17	Wed.	God helps them that help them-	6 32	5 28		2 0
18	Thu.	☾ highest. [selves.	6 31	5 29	♋	2 44
19	Fri.	Sun enters ♓ *rainy weather.*	6 30	5 30		3 25
20	Sat.	Do not buy anything on credit.	6 29	5 31	♌	4 35
21	*S.*	2d Sund. in Lent. Moon in Ap.	6 28	5 32		5 45
22	Mon.	Washington born, 1732.	6 27	5 33	♍	rises.
23	Tue.	Bat. Buena Vista, '49. *chang-*	6 26	5 34		7 1
24	Wed.	St. Matthias. *able and*	6 25	5 35	♎	7 45
25	Thu.	Moon ☌ ♃. ☿ rises 5 h 3 m.	6 24	5 36		8 31
26	Frid.	☿ greatest elong. w. *unpleasant*	6 23	5 37	♏	9 15
27	Satu.	☿ visible in morn. *weather.*	6 22	5 38		10 6
28	*S.*	3d S. in Lent. ☿ 8° 5′ ☋ of ♀.	6 21	5 39	♐	11 0
29	Mon.	Moon ☌ ♃ Procyon s. 8h 55 m.	6 21	5 39	♐	11 55

MOON'S PH.	D.	H.	M.
Last Quarter	1	2	38 mo.
New Moon	7	10	58 eve.
First Quarter	15	4	26 mo.
Full Moon	23	4	54 mo.
Last Quarter	30	1	22 eve.

Sun slow.

EQUATION OF TIME.

D.	M. S.
1	12 29
5	11 36
9	10 37
13	9 32
17	8 23
21	7 11
25	5 58
29	4 44

D. of M	D of W	MISCELLANY.	Sun rises H. M.	Sun sets H. M.	MOON'S PLACE.	Moon rises H. M.
1	Tues	St. David. ♀ rises 4h. 30m.	6 20	5 40	♐	morn.
2	Wed	Moon lowest *Cloudy and*	6 19	5 41	♑	1 0
3	Thur	Do keep out of debt *damp*	6 18	5 42		2 21
4	Frid	Pollux sou. 8h 44m. *weather.*	6 17	5 43	♒	3 36
5	Satur	Be economical.	6 16	5 44		4 42
6	*S.*	4th Sun; in Lent. Moon in Per	6 15	5 45		5 31
7	Mon	Battle Pea Ridge, 1862.	6 14	5 46	♓	sets.
8	Tues	Battle near Norfolk, 1862	6 13	5 47		6 25
9	Wed	Never talk before servants	6 12	5 48	♈	7 20
10	Thur	Regulus sou. 10h. 44m. *Rainy*	6 11	5 49		8 12
11	Frid	He that sells upon trust loses many	6 10	5 50		9 2
12	Satur	friends and always wants money.	6 9	5 51	♉	9 56
13	*S*	5th Sunday in Lent.	6 8	5 52		10 44
14	Mon	Procyon S, 8h 1. m, *Frost.*	6 7	5 53	♊	11 35
15	Tues	Island No. 10 attacked, 1862.	6 6	5 54		morn.
16	Wed	Regulus sou. 10h. 21m.	6 5	5 55		0 26
17	Thur	St. Patrick. ☽ highest. *Stormy*	6 4	5 56	♋	1 22
18	Frid	Vega rises 10h. 26m. *and*	6 3	5 57		2 15
19	Satur	Pay as you go. *unpleasant.*	6 2	5 58	♌	3 6
20	*S.*	Palm Sunday. ☿ in Apogee,	6 1	5 59		3 48
21	Mon	Vernal equinox. Spring begin	6 0	6 0	♍	4 35
22	Tues	Fine linen, girls, and gold so bright,	5 59	6 1		5 23
23	Wed	Choose not to take by candle light.	5 58	6 2	♎	rises.
24	Thur	Moon ☌ ♄ *Much rain may*	5 57	6 3		7 15
25	Frid	Good Friday. Anun B. V. M.	5 56	6 4	♏	8 8
26	Satur	Lady's Day. *now be*	5 55	6 5		9 3
27	*S.*	Easter Sunday. *expected.*	5 54	6 6	♐	9 57
28	Mon	Easter Monday. Moon ☌ ♅	5 53	6 7		10 48
29	Tues	Shrove Tuesday, Moon lowest	5 52	6 8	♑	11 42
30	Wed	Regulus S. 9 h 26 m.	5 51	6 9		morn.
31	Thur	♄ rises 6h. 26m.	5 50	6 10		0 35

4th Month	APRIL, 1864	30 days

MOON'S PHASES.

	D.	H.	M.	
New Moon	6	8	49	mo.
First Quarter	13	8	27	eve.
Full Moon	21	7	55	eve.
Last Quarter	28	10	0	eve.

Sun slow.

EQUATION OF TIME.

D.	M.	S.
1	3	49
5	2	49
9	1	37
13	0	29
17	fa	24
21	1	26
25	2	11
29	2	49

D. of M	D. of W	MISCELLANY.	Sun rises H. M.	Sun sets H. M.	MOON'S PLACES.	Moon ri & sts H. M.
1	Frid	All Fool's Day. *Fair*	5 49	6 11	♒	1 31
2	Satur	Moon in Perigee: *and*	5 48	6 12		2 28
3	*S*	Low Sunday. ☿ ☌ ☉ sup. *mild.*	5 47	6 13	♓	3 24
4	Mon	♄ ☍ ☉. ♄ ri. at sunset.	5 46	6 14		4 20
5	Tues	Moon ☌ ♀ *Cloudy and*	5 45	6 15		5 15
6	Wed	Battle Shiloh, 1862. *some*	5 44	6 16	♈	sets.
7	Thur	Island No. 10 sur. 1862. *rain.*	5 43	6 17		7 37
8	Frid	The worst wheel of the cart	5 42	6 18	♉	8 29
9	Satur	makes the most noise.	5 41	6 19		9 22
10	*S.*	2nd Sunday after Easter. [luck	5 40	6 20	□	10 12
11	Mon	Diligence is the mother of good	5 39	6 21		11 4
12	Tues	Regulus sou. 8h. 35m. *Cool*	5 38	6 22		11 57
13	Wed	☾ highest. *mornings,*	5 37	6 23	♊	morn.
14	Thur	Battle Fort Sumter 1861.	5 36	6 24		0 42
15	Frid	☉ and clock agree. *cloudy*	5 35	6 25	♋	1 28
16	Satur	☾ in Apogee. *and*	5 34	6 26		2 15
17	*S.*	Ben. Franklin died 1790. *damp*	5 33	6 27	♍	3 6
18	Mon	Spica sou 11h. 27m.	5 32	6 28		3 40
19	Tues	Bat. Lexington, 1775. *Look out*	5 31	6 29	♎	4 25
20	Wed	Sun enters ♉. ☾ ☌ ♄ *for frosts.*	5 30	6 30		5 0
21	Thur	Well done is better than well	5 29	6 31	♏	rises.
22	Frid	☿'s greatest elong'n E. [said.	5 28	6 32		7 35
23	Satu	St. George.	5 27	6 33	♐	8 33
24	*S.*	Moon ☌ ♃. Brazil discov. 1500	5 26	6 34		9 28
25	Mon	St. Mark. *Fair*	5 25	6 35		10 15
26	Tues	Moon lowest. *and*	5 24	6 36	♑	11 2
27	Wed	Keep out of debt. *pleasant.*	5 23	6 37		11 48
28	Thur	Wolfe killed, 1759.	5 22	6 38	♒	morn.
29	Frid	Moon in Perigee.	5 21	6 39		0 40
30	Satur	Washington inaug. 1789.	5 20	6 40	♓	1 25

5th Month MAY, 1864 31 days

MOON'S PHASES.

	D.	H.	M.	
New Moon	5	6	46	eve.
First Quarter	13	0	47	eve.
Full Moon	21	7	49	mo.
Last Quarter	28	5	19	mo.

Sun fast.

EQUATION OF TIME.

D.	M. S.									
1	5	3	9	13	17	21	25	29		
5	30	3	3	3	3	3	3	2		
9	46	3	3	3	3	3	3	2		
13	53	3	3	3	3	3	3	2		
17	51	3	3	3	3	3	3	2		
21	39	3	3	3	3	3	3	2		
25	19	3	3	3	3	3	3	2		
29	51	2	2	2	2	2	2	2		

D. of M	D of W	MISCELLANY	Sun rises H. M.	Sun sets H. M.	MOON'S PLACE.	Moon rises H. M.
1	*S.*	St.Ph.&St.Ja. Rogation Sund.	5 20	6 40	♓	2 15
2	Mon	Spica sou, 10h 38m. *Fair and*	5 19	6 41		3 0
3	Tues	Pay what you owe. *mild.*	5 18	6 42	♈	3 52
4	Wed	♃ rises 7h 19m. Moon ☌ ♀.	5 17	6 43		4 44
5	Thur	Ascension Day. Holy Thursd	5 16	6 44	♉	sets.
6	Frid	Bat. Wil'rg,'62. [☉ Ecli.invis.	5 15	6 45		7 47
7	Satur	Battle West Point, Va. 1862.	5 15	6 45		8 30
8	*S.*	Bat. Palo Alto, '46. *Warm*	5 14	6 46	♊	9 15
9	Mon	♃ rises 7h. 3m. *and*	5 13	6 47		9 52
10	Tues	Moon highest. *dry.*	5 12	6 48	♋	10 31
11	Wed	St. Louis massacre, 1861.	5 12	6 48		11 3
12	Thur	Moon in Apogee.	5 11	6 49	♌	11 36
13	Frid	♃ ☍ Sun.	5 10	6 50		morn.
14	Satur	Never buy on credit. *Showers*	5 9	6 51	♍	0 6
15	*S.*	Pentecost. Whit-Sunday.	5 9	6 51		0 41
16	Mon	Whit-Monday.	5 8	6 52	♎	1 20
17	Tues	Moon ☌ ♄ *Rain,*	5 7	6 53		2 4
18	Wed	Arcturus sou. 10h 21m *with*	5 7	6 53		2 48
19	Thur	Cuba discovered 1494. *wind*	5 6	6 54	♏	3 21
20	Frid	Sun enters ♊. *and thunder.*	5 5	6 55		4 35
21	Satur	Always endeavor to do right.	5 5	6 55	♐	rises.
22	*S.*	Trinity Sunday. ☿ ☌ Sun, Inf.	5 4	6 56		8 25
23	Mon	Moon lowest.	5 4	6 56	♑	9 8
24	Tues	Battle Front Royal, 1862.	5 3	6 57		9 50
25	Wed	☾ in Per. Bat.Winchester,'62.	5 3	6 57	♒	10 31
26	Thur	Corpus Christi. *Pleasant*	5 2	6 58		11 10
27	Frid	Arcturus s. 9h 46m. *weather.*	5 2	6 58		11 45
28	Satur	1st En.newspaper print. 1576.	5 1	6 59	♓	morn.
29	*S.*	1st Sunday after Trinity.	5 1	6 59		0 10
30	Mon	Joan of Arc burnt 1431.	5 0	7 0		0 46
31	Tues	Battle Seven Pines, 1862.	5 0	7 0	♈	1 15

6th Month	JUNE, 1864	30 days

MOON'S PHASES.

	D.	H.	M.	
New Moon	4	5	56	mo.
First Quarter	12	5	22	mo.
Full Moon	19	5	15	eve.
Last Quarter	26	0	14	eve.

Sun fast.

EQUATION OF TIME.

D.	1	5	9	13	17	21	25	29
M. S.	2 26	1 47	1 3	0 14	s1 36	1 29	2 20	3 10

D. of M	D of W	MISCELLANY.	Sun rises H.M.	Sun sets H.M.	MOON'S PLACE.	Moon rises H. M.
1	Wed	Once more, keep out of debt.	4 59	7 1	♉	2 8
2	Thur	Arcturus sou 9h 27m. *Rainy.*	4 58	7 1		2 50
3	Frid	Moon ☌ ♀.	4 58	7 2	♊	3 43
4	Satur	Bat. Friedburg, 1745. *Fine.*	4 58	7 2		sets.
5	*S.*	2d S. after Trinity. ☾ highest.	4 58	7 2	♋	8 21
6	Mon	Bat. Memphis 1862. *growing*	4 57	7 3		9 3
7	Tues	Mahomet died. 632. *weather.*	4 57	7 3	♌	9 38
8	Wed	Moon in Apogee.	4 57	7 3		10 11
9	Thur	Battle Port Republic, 1862.	4 57	7 3		10 42
10	Frid	Battle Bethel Church, 1861.	4 56	7 4	♍	11 20
11	Satur	St. Barnabas.	4 56	7 4		11 56
12	*S.*	3d Sunday after Trinity.	4 56	7 4	♎	Morn.
13	Mon	Moon ☌ ♄. Bat. Ghent, 1794.	4 56	7 4		0 44
14	Tues	Arcturus sou. 8h. 37m.	4 56	7 4	♏	1 30
15	Wed	Sun and clock agree. *Warm.*	4 56	7 4		2 8
16	Thur	Moon ☌ ♃ 8h 0m eve.	4 55	7 5	♐	2 39
17	Frid	Battle Bunker Hill, 1775.	4 55	7 5		3 21
18	Satur	Battle Waterloo, 1815.	4 55	7 5		4 10
19	*S.*	4th Sunday after Trinity.	4 55	7 5	♑	rises.
20	Mon	Q. Victoria crowned, 1837.	4 55	7 5		7 58
21	Tues	Summer Solstice. Sun ent. ♋.	4 55	7 5		8 41
22	Wed	Moon in Perigee. *Rain with*	4 55	7 5	♒	9 22
23	Thur	Bat. Springfield, 1780. *thunder*	4 55	7 5		10 3
24	Frid	St. John Baptist. Midsummer	4 55	7 5	♓	11 25
25	Satur	Battle Bannockburn, 1314.	4 55	7 5		11 54
26	*S.*	Bat. Mechanicsville, 1862.	4 55	7 5		Morn.
27	Mon	Cholera in New York, 1832.	4 56	7 4	♈	0 34
28	Tues	☿ gr.e.W. Jas. Madison d.'36.	4 56	7 4		1 3
29	Wed	St. Peter. Henry Clay died '52.	4 56	7 4	♉	1 37
30	Thur	Montezuma died 1520.	4 56	7 4		2 8

7th Month JULY, 1864 31 days

MOON'S PHASES.

	D.	H.	M.	
New Moon	3	6	41	eve.
First Quarter	11	6	43	eve.
Full Moon	19	0	54	mo.
Last Quarter	25	8	4	eve.

Sun slow.

EQUATION OF TIME.

D.	M. S.
1	3 33
5	4 16
9	4 54
13	5 26
17	5 50
21	6 6
25	6 13
29	6 10

D of M	D. of W	MISCELLANY.	Sun rises H. M.	Sun sets H. M.	MOON'S PLACE	Moon rises H. M.
1	Frid	Battle Richmond, 1862.	4 56	7 4	♌	2 43
2	Satur	Sun in Apogee. *Warm*	4 56	7 4	♋	3 50
3	*S.*	Moon ☌ ♀ Fort Erie taken'14	4 57	7 3		sets.
4	Mon	Independence, 1776. *and*	4 57	7 3	♋	7 48
5	Tues	☾ highest. *dry.*	4 57	7 3		8 31
6	Wed	☽ in Apogee.	4 58	7 2	♌	9 15
7	Thur	Sheridan died, 1816.	4 58	7 2		9 58
8	Frid	Arcturus so. 9h 12m. *Cloudy*	4 58	7 2	♍	10 42
9	Satur	Pres. Taylor died 1850. *with*	4 59	7 1		11 12
10	*S.*	7th Sunday after Trinity. *some*	4 59	7 1	♎	11 57
11	Mon	☾ ☌ ♄ *rain.*	4 59	7 1		morn.
12	Tues	Altair sou 0h 19m.	5 0	7 0	♏	0 38
13	Wed	Pay as you go. *Hot*	5 0	7 0		1 12
14	Thur	Moon ☌ ♃ Birming, Riot 1791	5 1	6 59	♐	1 42
15	Frid	Antares sou 8h 44m. *and*	5 1	6 59		2 10
16	Satur	Moon low. Hegira begins 622	5 2	6 58		2 54
17	*S*	☿ ☌ Sun Sup. *unpleasant*	5 2	6 58	♑	3 25
18	Mon	♀ ☌ Sun Superior. *Cloudy*	5 3	6 57		4 21
19	Tues	Moon 16 days old. *and*	5 3	6 57	♒	rises.
20	Wed	Moon in Perigee.	5 4	6 56		8 0
21	Thur	Battle Manassas Junction, 1861	5 5	6 55	♓	8 50
22	Frid	Sun enters ♌. *perhaps*	5 5	6 55		9 31
23	Satur	Rog. Sherman died 1793 *rain.*	5 6	6 54		10 24
24	*S.*	Vega sou 10h 20m.	5 6	6 54	♈	11 10
25	Mon	St. James.	5 7	6 53		morn.
26	Tues	St. Anne. *Hot and*	5 8	6 52	♉	0 2
27	Wed	Bat. Talav. 1809. *unpleasant*	5 8	6 52		0 42
28	Thur	Dog days begin. *rain and*	5 9	6 51		1 12
29	Frid	Vega sou 10h 0m, *perhaps*	5 10	6 50	♊	2 2
30	Satur	Wm. Penn died 1716. *hail.*	5 11	6 49		2 48
31	*S.*	Moon highest.	5 11	6 49	♋	3 33

8th Month AUGUST, 1864 31 days

MOON'S PHASES.

	D.	H.	M	
New Moon	2	9	12	mo.
First Quarter	10	7	28	mo
Full Moon	17	8	2	mo.
Last Quarter	24	8	49	mo.

Sun slo w

EQUATION OF TIME.

D.	M. s.
1	1 6
5	5 40
9	9 5 11
13	13 4 33
17	17 3 46
21	21 2 51
25	25 1 49
29	29 0 40

D. of M	D of W	MISCELLANY	Sun rises H. M.	Sun sets H. M.	MOON'S PLACE.	Moon rises H. M.
1	Mon	Battle of the Nile 1798.	5 12	6 48	♋	4 21
2	Tues	☾ in Apogee. *Rainy*	5 13	6 47	♌	Sets.
3	Wed	Crown Point taken. 1759.	5 13	6 47		7 40
4	Thur	Battle Brownstown, 1812.	5 14	6 46	♍	8 25
5	Frid	Bat Baton Rouge, 1862. *sultry*	5 15	6 45		9 12
6	Satur	Ship Arkansas dest. '62. *and*	5 16	6 44	♎	9 54
7	*S.*	Moon ☌ ♄.	5 17	6 43		10 38
8	Mon	Canning died 1827. *dry.*	5 17	6 43	♏	11 10
9	Tues	Battle of Oak Hill, Mo., 1861.	5 18	6 42		11 56
10	Wed	St. Lawrence. ☾ ☌ ♃.	5 19	6 41	♐	Morn.
11	Thur	Lyon's defeat, 1837.	5 20	6 40		0 42
12	Frid	Battle of Antoigne, 1792.	5 21	6 39		1 31
13	Satur	Moon lowest.	5 22	6 38	♑	2 26
14	*S.*	12th Sunday after Trinity.	5 22	6 38		3 14
15	Mon	Bonaparte born, 1769.	5 23	6 37	♒	4 2
16	Tues	☿ greatest elongation E	5 24	6 36		4 40
17	Wed	☿ visible in the eve'ng.	5 25	6 35		Rises.
18	Thur	Moon in Perigee. *Warm*	5 26	6 34	♓	7 20
19	Frid	Since thou art not sure of a mi-	5 27	6 33		8 2
20	Satur	nute, throw not away an hour	5 28	6 32	♈	8 45
21	*S.*	13th S. after Trinity. *and*	5 29	6 31		9 30
22	Mon	☉ enters ♍. *disagreeable.*	5 30	6 30		10 25
23	Tues	Time is an herb that cures all diseases.	5 31	6 29	♉	11 20
24	Wed	St. Bartholomew. *Look out*	5 32	6 28		Morn.
25	Thur	He that can travel well *for a*	5 33	6 27	♊	0 12
26	Frid	afoot keeps a good horse. *storm*	5 34	6 26		0 58
27	Satur	Moon runs high.	5 35	6 25		1 42
28	*S.*	14th Sunday after Trinity.	5 36	6 24	♋	2 30
29	Mon	St. John Baptist beheaded.	5 37	6 23		3 21
30	Tues	Battle Manassas Junct'n 1862	5 38	6 22	♌	4 2
31	Wed	Moon in Apogee.	5 39	6 21		4 45

9th Month SEPTEMBER, 1864 30 days

MOON'S PHASES.

New Moon	1	1	0	mo.
First Quarter	8	6	46	eve.
Full Moon	15	3	43	eve.
Last Quarter	22	6	0	eve.
New Moon	30	5	39	eve

Sun fast.

EQUATION OF TIME.

D.	M.	S.
1	0	15
5	1	33
9	2	54
13	4	18
17	5	42
21	7	6
25	8	29
29	9	49

D. of M	D. of W	MISCELLANY.	Sun rises H. M.	Sun sets H. M.	Moon's PLACE.	Moon rises H. M.
1	Thur	☼ & Clock agree, *Fair*	5 39	6 21	♍	sets.
2	Frid	☾ ☌ ♀ London burnt 1666.	5 40	6 20		7 0
3	Satur	Moon ☌ ♄. *and mild.*	5 41	6 19	♎	7 50
4	*S.*	15th Sunday after Trinity.	5 42	6 18		8 39
5	Mon	Dog days end.	5 43	6 17	♏	9 28
6	Tues	Lafayette, born, 1757.	5 44	6 16		10 18
7	Wed	Moon ☌ ♅.	5 45	6 15	♐	11 10
8	Thur	Battle Lake George, 1755.	5 46	6 14		morn.
9	Frid	Luna runs low. *rain,*	5 47	6 13	♑	0 2
10	Satur	Bat. Lake Erie, 1813.	5 48	6 12		0 44
11	*S.*	16th Sun. after Trinity. *with*	5 49	6 11	♒	1 30
12	Mon	Gen. Walker exec'd,'60. *wind*	5 50	6 10		2 25
13	Tues	Moon in Perigee. *and thunder*	5 51	6 9		3 35
14	Wed	Moscow burned. 1812.	5 52	6 8	♓	4 55
15	Thur	Surren. of N. Y., 177 6	5 53	6 7		rises.
16	Frid	Fomalhaut sou. 11h 4m	5 54	6 6	♈	6 40
17	Satur	Battle Sharpsburg,' 62	5 55	6 5		7 31
18	*S.*	17th Sun. aft. Trinity. *Stormy*	5 56	6 4	♉	8 22
19	Mon	Battle Iuka, 1862. *and bois-*	5 57	6 3		9 15
20	Tues	Bat. Shepardstown,'62 *terous*	5 58	6 2		10 6
21	Wed	St. Matthews.	5 59	6 1	♊	11 10
22	Thur	Days and nights equal length.	6 0	6 0		morn.
23	Frid	Aut Equinox.Aut beg. *weather*	6 1	5 59		0 4
24	Satur	Battle Monterey, 1846.	6 2	5 58	♋	0 45
25	*S.*	18th Sunday after Trinity.	6 3	5 57		1 30
26	Mon	Battle of Mesilla, 1861.	6 4	5 56	♌	2 15
27	Tues	Moon in Apogee. *Fair*	6 5	5 55		3 2
28	Wed	Do keep out of debt, *and*	6 6	5 54	♍	3 50
29	Thur	St. Michael. *pleasant.*	6 7	5 53		4 54
30	Frid	St. Jerome.	6 8	5 52	♎	sets.

10th Month OCTOBER, 1864 — 31 days

MOON'S PHASES,

	D.	H.	M.	
First Quarter	8	5	13	mo.
Full Moon	15	0	49	mo.
Last Quarter	22	9	23	mo.
New Moon	30	9	56	mo.

Sun fast.

EQUATION OF TIME.

S.	27	41	48	48	39	20	51	11
M.	10	11	12	13	14	15	15	16
B.	1	5	9	13	17	21	25	29

D. of M.	D of W	MISCELLANY.	Sun rises H. M.	Sun sets. H. M.	MOON'S PLACE.	Moon rises H. M.
1	Satur	Moon ☌ ♄. ☾ ☌ ♀. *Cool*	6 9	5 51	♑	6 31
2	*S.*	Major Andre exe. 1780. *and*	6 10	5 50	♏	7 10
3	Mon	Battle Corinth, '62. *pleasant*	6 11	5 49		7 39
4	Tues	Battle Germantown, 1777.	6 12	5 48	♐	8 15
5	Wed	Moon ☌ ♃. Brainard d. 1747.	6 13	5 47		9 12
6	Thur	Luna runs low. *Cloudy*	6 14	5 46	♑	10 25
7	Frid	Bat. S. Rosa Island '61. *and*	6 15	5 45		11 36
8	Satur	Battle Perryville, 1862.	6 15	5 45		morn.
9	*S.*	20th Sun. after Trinity. *windy*	6 16	5 43	♒	0 25
10	Mon	Battle Warsaw, 1794.	6 17	5 42		1 20
11	Tues	Moon in Perigee *Cool*	6 18	5 41	♓	2 15
12	Wed	Wm. Penn b. 1745. *mornings*	6 19	5 40		3 8
13	Thur	Fomalhaut sou 9h 18m. *with*	6 20	5 39	♈	4 46
14	Frid	♄ ☌ ☉ *North-east*	6 21	5 38		5 20
15	Satur	Bank Panic, 1857.	6 22	5 37	♉	rises.
16	*S.*	Kosciusko died 1817 *Winds*	6 23	5 36		6 57
17	Mon	Burgoyne surrendered, 1777.	6 24	5 35	♊	7 42
18	Tues	St. Luke. ☾ ☌ ♐. *Frost.*	6 25	5 34		8 38
19	Wed	Cornwallis surrendered 1781.	6 26	5 33	♋	9 31
20	Thur	Battle Navarino, 1827.	6 27	5 32		10 23
21	Frid	☾ highest. *Changeable*	6 28	5 31	♌	11 25
22	Satur	Fomalhaut sou 8h 43m. *but*	6 29	5 31		morn.
23	*S.*	22d S. after Trinity. ☉ ent ♏	6 30	5 30		0 20
24	Mon	Moon in Apogee. *pleasant.*	6 31	5 29	♍	1 11
25	Tues	7 *s sou 1h 41m.	6 32	5 28		2 3
26	Wed	Do keep out of debt. *Look for*	6 33	5 27	♎	2 46
27	Thur	Fomalhaut s. 8h. 23m. *a storm.*	6 34	5 26		3 38
28	Frid	St. Sim. and St. Jude. ☾ ☌ ♄	6 35	5 25	♏	4 27
29	Satur	♀ ☌ ♃. *Windy*	6 36	5 24		5 15
30	*S.*	Sun eclipsed, invisible. *and*	6 37	5 23		sets.
31	Mon	7*s sou. [illegible]				12

11th Month NOVEMBER, 1864 30 days

MOON'S PHASES.

	D.	H.	M.	
First Quarter	6	3	30	eve.
Full Moon	13	11	45	mo.
Last Quarter	21	3	33	mo.
New Moon	29	1	38	mo.

Sun fast.

EQUATION OF TIME.

D.	M.	S.
1	16	18
5	16	15
9	15	59
13	15	20
17	14	46
21	13	49
25	12	40
29	11	20

D. of M	D of W	MISCELLANY.	Sun rises H. M.	Sun sets H. M.	MOON'S PLACE.	Moon rises M.	M.
1	Tues	All Saint's day. *Fair*	6 39	5 21	♐	6	50
2	Wed	All Souls' day. *and*	6 40	5 20		7	41
3	Thur	☾ lowest. *frosty*	6 40	5 20	♑	8	54
4	Frid	☿ rises 5h 57m *mornings.*	6 41	5 19		10	2
5	Satur	Battle Warrenton, 1862.	6 42	5 18	♒	11	26
6	*S.*	24th S. after Trinity. *Rainy*	6 43	5 17		morn.	
7	Mon	Moon in Perigee. *and windy.*	6 44	5 16		0	15
8	Tues	Seizure of Mason & Slidell '61	6 45	5 15	♓	1	16
9	Wed	Aldebaran sou 1h 33m *Cool*	6 46	5 14		2	21
10	Thur	Milton died, 1674.	6 46	5 14	♈	3	28
11	Frid	Aldebaran sou 1h 23m	6 47	5 13		4	35
12	Satur	Be economical. *Fair*	6 48	5 12		5	49
13	*S.*	Meteor shower, '33&'37 *and*	6 49	5 11	♉	rises.	
14	Mon	Chas. Carroll d., 1832. *mild*	6 49	5 11		6	11
15	Tues	Sirius rises 9h 57m	6 50	5 10	♊	6	58
16	Wed	Tea dest'd Boston, 1773 *Fair*	6 51	5 9		7	48
17	Thur	Moon highest. *and*	6 52	5 8	♋	8	35
18	Frid	☿ rises 5h 20m *frosty.*	6 52	5 8		9	28
19	Satur	7 Stars sou. 11h 1m.	6 53	5 7		10	21
20	S.	26th S. after Trinity. *Cloudy*	6 54	5 6	♌	11	26
21	Mon	Berlin decree 1806. *and*	6 54	5 6		morn.	
22	Tues	☉ enters ☿. *perhaps*	6 55	5 5	♍	0	20
23	Wed	St. Clement. *a heavy*	6 56	5 4		1	15
24	Thur	☿ ☽ ☉ *rain.*	6 56	5 4	♎	2	12
25	Frid	☾ ☿ ♄	6 57	5 3		3	5
26	Satur	O. Elsworth died 1807. *Cold*	6 58	5 2	♏	3	52
27	*S*	Advent Sunday. *winds.*	6 58	5 2		4	46
28	Mon	Washington crossed Del 1776	6 59	5 1	☿	5	53
29	Tues	Moon ☌ ♃	6 59	5 1		sets.	
30	Wed	St. Andrew's Day. Moon low	7 0	5 0	♑	6	25

12th Month DECEMBER, 1864 31 days

MOON'S PHASES.

	D	H.	M.
First Quarter,	6	1	51 mo.
Full Moon,	13	1	17 mo.
Last Quarter,	20	10	50 eve.
New Moon,	28	8	47 eve.

Sun fast.

EQUATION OF TIME.

D.	M.	S.
1	10	35
5	8	59
9	7	13
13	5	21
17	3	24
21	1	25
25	0	34
29	2	32

D. of M	W	MISCELLANY.	Sun rises H. M.	Sun sets H. M.	MOON'S PLACE.	Moon rises H. M.
1	Thur	Jupiter conjunction with Sun.	7	0	♑	7 23
2	Frid	7 Stars south 10h 59m. *Windy*	7	1	4 59	8 15
3	Satur	John Brown hung, 1859 *and*	7	1	4 59	♒ 9 20
4	*S.*	2d Sunday in Advent, *cold.*	7	2	4 58	10 35
5	Mon	Moon in Perigee.	7	2	4 58	11 46
6	Tues	Van Buren born, 1782.	7	2	4 58	♓ morn.
7	Wed	7 Stars south 10h 30m.	7	3	4 57	0 42
8	Thur	Theo Sedwick died 1859.	7	3	4 57	♈ 1 48
9	Frid	Father Mathew d. '56. *Cloudy*	7	3	4 57	2 53
10	Satur	Dr. Chalmers died, '34. *and*	7	3	4 57	4 1
11	*S.*	3d Sun. in Advent. *damp.*	7	4	4 56	♉ 5 11
12	Mon	Great Comet 1680.	7	4	4 56	6 10
13	Tues	Battle Fredericksburg, 1862.	7	4	4 56	♊ rises.
14	Wed	Battle Kingston, 1862.	7	4	4 56	☽ 6 20
15	Thur	Isaac Walton d. 1683, *Rainy*	7	4	4 56	7 24
16	Frid	Moon highest. *and*	7	5	4 55	♋ 8 31
17	Satur	Bat. Goldsboro', 1862. *windy*	7	5	4 55	9 35
18	*S.*	4th S in Adv, Moonin Apogee	7	5	4 55	♌ 10 42
19	Mon	Rome burned, 69. *Frosty*	7	5	4 55	11 50
20	Tues	Shortest days. *and bracing*	7	5	4 55	♍ morn.
21	Wed	St Thomas. Winter Solstice.	7	5	4 55	0 45
22	Thur	Shortest days *weather.*	7	5	4 55	♎ 1 32
23	Frid	Sir I. Newton born, 1642	7	5	4 55	2 26
24	Satur	Sun & clock agree.	7	5	4 55	♏ 3 17
25	*S.*	CHRISTMAS DAY. *Cloudy*	7	5	4 55	4 15
26	Mon	St. Stephen. *and rainy.*	7	5	4 55	♐ 5 12
27	Tues	St John the Evangelist.	7	4	4 56	6 0
28	Wed	Holy Innocents Moon lowest.	7	4	4 56	♑ sets.
29	Thur	As a last request we do implore you	7	4	4 56	6 1
30	Frid	to go and pay what you owe and never go in debt again *Cold*	7	4	4 56	♒ 6 52
31	Satur	Battle Murfreesboro, 1862.	7	4	4 56	7 56

GARDEN WORK FOR 1864.

JANUARY.

To realise the sweets of summer, autumn and fall, the foundation must now be laid. Work everything in the shape of decomposing manure into the garden patch that you can lay hold on. The coarser the manure the better. Cover it under. Apply all the ashes, hen manure, &c., about your premises to the garden grounds before it is leached away and wasted. Turn it under and you have it safe. Plant out the onion, leek and garlick, and put the ground in order for February planting. Sow early varieties of English Peas during the first fortnight in January, and continue to sow a succession every week during the spring and early summer. Cabbages, Lettuce, Radishes, Salsify, Spinach, Parsnips, Beets, &c., may now be sown on ground properly prepared. Choose a warm exposure—spade, manure and pulverize your beds well, and do not plant your seed to deep. Irish Potatoes may now be planted for an early crop. ☞ Prepare all your garden implements for use this month.

FEBRUARY.

The operations of the gardener must now commence in good earnest. In order to secure a regular and abundant supply of good vegetables, the garden must be put in a thorough condition at once. Let it, however be remembered, that the soil should never be stirred, nor any seed planted while the ground is wet ; in fact it must be dry enough to crumble easily when raked over.

Plant a few Melons, Squashes or Cymblins, Cucumbers, Snap-beans, &c., protecting the young plants when needful. They may, possibly, be cut down, but to have early vegetables, we must plant early, and risk the result, using what precautions we may. Plant all sorts of aromatic and pot herbs ; Carrots, Parsnips and Turnips intended to produce seed—they should have been hung up in some dry place in December. Another sowing or two of Spinach may be made in soil rich enough to force it, as it will quickly run to seed. More Peas should be sown for succession ; the same varieties sown last month, as also any of the taller sorts. Sow also, Early Corn, Radishes, Lettuce, Early and Summer Cabbage, and the main crops of Beets, Carrots, Parsnips and Salsify. Continue to set out early Cabbage plants.

Set out the Peach, the Plum, the Apple, the Pear, the Quince, the Pomegranate, the Grape, the Strawberry, the Raspberry, and all other desirable kinds of fruit and ornamental trees and vines Examine Peach trees for the worm, and Apple trees for the borer, and dig those depredators from their hiding places with the sharp end of your knife. Heap leached ashes around your Peach trees.

MARCH.

During a backward spring, most of the work directed to be done last month should more properly be done in March. If any early Cabbage plants yet remain in the beds, set them out the first favorable weather ; the Buttersea will succeed the Early York. Okra must be got in by the middle of the month. If seed is plenty, sow in drills, four feet apart in rich ground, if scarce, drop a half dozen seed in hills three or four feet apart. When large enough, they must be thinned out to a single plant. In fact, its cultivation is precisely the same as that of Cotton.

Sow more Cabbage seed to head in the summer. Flat Dutch is the best. Thin out Turnips as soon as they have four leaves, leaving them at the distance of six inches apart, and sow more Turnip seed. Early White Dutch and Red Topped Dutch are the best for spring use. If you did not sow Onion seed (black) last month, do it at once; they will come into use in the latter part of the summer, when all that were raised from sets or buttons are gone. If you did sow Black Onion seed in September, it can now be transplanted. Sow Carrots, Beets, Parsnips, Salsify, Lettuce, Radishes, Thyme, Parsley and Rape, (for early greens.) Plant all in rows fifteen inches apart. Sow, also, a little spot with Celery, and protect them from the sun. When Cherry trees are in bloom, plant Snap Beans; and when Apple trees are in flower, plant Squashes. (Scallop Squash is the best) in hills three feet apart; also Cucumbers and Muskmelons, six feet apart; the Nutmeg and Citron melons are very fine, and the earliest; Beechwood Melon is very superior, but a little later. All the vines are greatly benefited by guano or poultry manure. At the same time, also, sow Tomatoes and Egg Plants. Asparagus will now begin to sprout; don't suffer any to run to seed, but cut all down. Cabbages which have been set out, and are starting to grow, should, once a week, have a watering of liquid manure—a shovelful of chicken manure, dissolved in ten gallons of water, will be found an excellent fertilizer for them.

All vegetables, that already have a start, should have a good hoeing by the latter part of this month.

Irish Potatoes should now be planted in drills, three feet apart, and covered with a thick layer of pine straw or leaves.

APRIL.

Attend to all work not performed last month without delay. Set out all Cabbage plants you may have, and sow more Cabbage Seed to head in the summer. Flat Dutch is the best. Thin out Turnips as soon as they have four leaves, and sow more turnip seed. Early White Dutch and Red Topped Dutch are the best for spring use. Also sow White Norfolk Turnip, it will grow much larger than the former and succeed them.

Plant a full crop of English Peas for a succession. For a late crop we think the Blue Imperial and the Prussian Blue the best; when planted at the same time as the Extra Early, they will come in three weeks later. Sow Carrots, Beets, (Extra Early is the finest,) Parsnips, Salsify, Radishes, Thyme, Parsley and Rape, (for early greens.) The White Belgian Carrot stands our hot summers best. Also sow Mangel Wurtzel; it will be found very good for late use, when the other beets are gone. Plant all in rows 15 inches apart. When cherry trees are in bloom, plant Snap Beans. Early Valentine is an excellent variety, and we are inclined to recommend it in preference to all others, When Apple trees are in flower, plant Squashes (Scallop Squash is the best) in hills 3 feet apart; also Cucumbers and Muskmelons 6 feet apart.

Common Corn and Chinese Sugar Cane, for cutting green and for winter forage should also be sown plentifully during the present and the next month. Sow, also, Egyptian Millet, but do not let it come near the Chinese Sugar Cane, or you will ruin the latter as a Sugar plant.

Sweet Potatoes.—Plant your main crop of sets and draws this month.

Try the level system. Reason and experience both teach its superiority. But if you plant in hills and ridges, plow the soil very deep, and throw them up broad and flat on the summit, so that they may catch and retain as much moisture as possible. Potato "draws," or any similar plants, may be safely set out, even in dry weather, by dipping the roots in a thick batter of black woods-mould or surface soil and water, as heretofore described.

The vigilant gardener will keep his eye upon the weeds. An hour's work now will equal a day's when the ground gets foul.

This is the month to thin out the vegetables. Thin well at first and then go over and thin again and again. Save all the ashes, soap suds, and hen manure about the premises, to apply to the growing crops in the garden. Every family that keeps twenty hens, may, with the assistance of the soap suds and ashes that are generally thrown away, fertilize a garden spot in the year as much as would a ton of guano

MAY.

Do not fail to secure large beds of Drumhead, Savoy, &c., Cabbage and Brocoli plants, sowing during showery weather. These will stand in the seed-bed until August, in the meantime the ground intended for them should be thoroughly dug or plowed and manured. Continue to set out Sweet Potato sprouts or cuttings of vines in favorable weather.

Transplant Egg Plants, and hill up Bush Beans.

Work carefully around Melons and Cucumbers, with a pronged hoe

Continue to plant Okra, Squashes and Melons of the different varieties, Cucumbers, Lima (or Butter) Beans, Sweet Corn. Transplant the Tomato, Pepper, Cabbage, Cauliflower, Celery, &c. Plant Carrots, Beets, Salsify, Parsnips &c., for a succession.

Work your vegetables carefully, and be sure not to injure the roots with the hoe. Water in dry weather, removing a portion of soil just around the plant before watering, and replacing it afterwards to prevent evaporating from the surface.

The Strawberry patch should receive a good working with pronged hoes, to avoid injuring the roots. After thus loosening up the soil replace the mulching and there will be little trouble with the weeds for the remainder of the season. If cultivating solely for fruit, the runners must be scrupulously kept down.

Weeds will now begin to infest your gardens, and must be ruthlessly destroyed at their first appearance.

Destroy caterpillars' nests wherever found on your fruit trees. If the branches are crowded or overladen with thickly set fruit, thin out one-half of it and the remainder will be enough better to pay for the trouble.

Dust over the Plum and Nectarine trees with a mixture of quick lime, ashes and sulphur while the dew is on the leaves to destroy the curculio.

JUNE.

Little can be done the present month in the garden, with the exception of mulching, weeding and watering.

Irish Potatoes can be planted and heavily mulched; they will give a fair crop in October. Plant Watermelons for a succession.

JULY

Every preparation should be made for a brisk onset, next month, to insur a good fall and winter garden. The ground must be cleansed off, manured and well ploughed and harrowed, or dug.

By commencing very early in the morning, resting a couple of hours in th heat of the day, and working a little later, your teams and hands will accom plish more than if kept constantly going.

AUGUST.

A good winter garden will depend much on what is started this month therefore grudge not a little labor in watering and mulching. Save th seeds of all earliest and best vegetables. Remember not to dry melon or cu cumber seeds in the sun, it destroys their vitality; spread them in thin dishe and dry in the shade Onions that have not yet been pulled should now b taken from the ground, dried in the shade, spread on a cool floor, or tied i bunches and hung where the air can circulate around them. Pot and medi cinal herbs should now be gathered; dry in the shade and put away in prope bags for future use. Seeding weeds will now demand the gardner's attention One root of purselane, now full of seeds, will keep a whole garden next seaso full of weeds. Remember the old adage, "an ounce of prevention is worth a pound of cure."

All plants of the Cauliflower, Brocoli or Cabbage family may be set out th latter part of this month for fall and winter use. Continue to transplan Celery. Full crops of the different kinds of Turnips should be sown during the month, as directed above. Sow seeds of Beets, Salsify, Carrots, &c., fo winter use—shading the ground by a slight "brush arbor," from the hot sun Radishes, Spinach, Lettuce, &c, may still be sown, and Snap Beans planted for pickles. Plant, also, Melons and Cucumbers for mangoes and pickles Keep down all weeds—use the hoe and water freely. Plant a second or fal crop of Irish Potatoes and Peas, mulching both heavily with leaves. Th Purple Egg Plant, Tomato and Lima Bean may be planted for a late crop and will come yet, with "favorable seasons."

SEPTEMBER.

We can only refer to the instructions given last month, to be continue during the present one. After th e first week it will not do to risk larg plantations of Peas, Sweet, or other Corn, or Snap Beans. Sow Early York and other Cabbages, to be set out in January. They may require a littl protection during severe weather. So of Lettuce. Sow Turnips, Mustard, &c

OCTOBER.

As frosts are to be expected about the last of this month, few seeds can no be sown with safety. Amongst the few that may be sown are Onions, Leeks Parsnips, Turnips, Mustard, Radishes, Early York and other spring Cab bages, in beds in which they may be protected, as also Lettuce, Cress, Cel ery, Parsley, &c. If any Drumhead or Savoy Cabbage, Brocoli, Endive o Lettuce plants not yet set out, attend to them first showers. Celery, planted in August, will now require to have the earth frequently stirred around it and a little earth carefully drawn around it, when dry; if wet it will rust During the first two or three earthings, the leaf stem must be held together and erect with one hand whilst the earth is pressed to them with the other Haul plenty of manure on your garden, have it well spaded, burying under all enriching animal or vegetable matter. Transplant Brocoli, Cabbages Celery, Collards, &c. Work and manure your Asparagus bed, not forgetting to give them a liberal top dressing of salt before spring. Save all old bones soap suds, dead leaves, decaying vegetables, &c. and make up into compost heaps for future use. Bushes of Egg Plants and Tomatoes may be taken up before frost and hung up under a shelter—they will continue to ripen th

mit set upon them when those left in the garden are blackened and rotted frost. November, December and January are the best months for anting trees, vines, &c.

CABBAGE SPROUTS.—Very few people take half the pains they ought h Cabbages. When they are cut, no matter how—the stumps are left to ng sprouts no matter when, or how many. Now, the fact is, that when sprouts begin to come they should all be rubbed off but the best, or at st two, but if there be only one left to grow on each stump it will grow ter and better, and be occasionally as good as the first head that was cut, tead of which a multitude of small ones are allowed to grow, not any of ich bring good hearts, and all are, for the most part, but a poor apology greens. When a Cabbage is cut, the leaves should be cut off the stem as soon as the buds of the stump begin to grow, rub off or cut all that not wanted, leaving one of the strongest and best to grow into a head, hich it will do in an incredibly short time; equalling, and most frequently celling the first head itself in flavor and appearance This is adopted for millies more than market gardens, because there is some trouble in rubbing taking off the useless shoots; but it is well worth while in every case

NOVEMBER.

Sow Cabbages, Turnips, Parsnips, Lettuce, Carrots Radishes, &c., &c., Haul lenty of manure on your garden, have it well spaded, burying under all enching animal or vegetable matter. Transplant Broccoli, Cabbages, Celery, "Collards," &c. Dress and manure your Asparagus beds, not forgetting to give them a liberal top-dressing of salt before spring. Save all old bones, oap-suds, dead leaves, decaying vegetables, &c. and make up into compost heaps for future use. Plough and subsoil your ground for the planting of young orchards and nurseries, and provide a supply of roots and stocks for the propagation of all new and desirable varieties of fruit adapted to our Southern climate.

In transplanting trees, before taking up mark the side that was at the north so as to place it in the same position. If all would give strict orders to mark the north side of trees with chalk before they were taken up, and when set out to have the tree put in the ground with the north side to the north in its natural position a larger proportion would live. Ignoring this law of nature is the cause of so many transplanted trees dying. If the north side is exposed to the south, the heat of the sun is too great for that side of the tree to bear and therefore it dries up and decays.

DECEMBER.

But little can be done in gardening. In pleasant days manure, spade and prepare the ground for the spring planting. Seed sown now are as good as thrown away.

The cattle demand our constant care during this inclement season; and their appearance is no bad index of the character of their owner. Does not a lean, half starved, unsheltered cow convict her owner of inhumanity? Dry, warm stables are matters of prime importance for horses and neat cattle. If the barn is not already tight, it should be made so before extreme cold weather sets in. A few dollars laid out upon boards and shingles in stopping crevices will be much better economy than in buying extra food. Comfortable stabling will make a difference of five dollars in the expense of wintering a cow. A tight barn saves one-fourth of the fodder. A cow is often left to seek shelter behind a fence and is nearly frozen in the sleet which is forming a cake of ice upon her hide. In the morning she comes up shivering and nearly dead to get a little fodder, and is expected to give a good lot of milk. One cow properly treated will give more milk than half a dozen uncared for.

1864 1864

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